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4 Ø ALABAMA 3 PHASE SHORES, FARM RAYLEY GULF

WCE DDC WCF AS NOTED DEC., 2021 JOB NUMBER GS-20105 SHEET NUMBER 4

POLIVINITY, CHLORDE PIPE (PVC): FOR LESS THAN 4 NCHES IN DIAMETER, ASTM D2241 FOR PUSH-ON OR SOLVENT WELD JOINTS AND FOR PIPE 4 NCHES IN DIAMETER AND LARGER AWWA C900 CLASS 200 WITH PUSH-ON JOINTS.

1. JOINTS/ITTINGS, PUSH-ON ASTM D3139 WITH ASTM F477 GASKETS.

2. SOLVENT CEMENT: ASTM D2564.

PVC FOR SMALL DIAMETER FORCE MAINS (UNDER 4. NCH DIAMETER).

SMALL DIAMETER POLYVNYL CHLORIDE (PVC) PIPE FOR FORCE MAINS SHALL BE PROVIDED. ALONG WITH APPURTENANCES, AS SHOWN ON THE PLANS. PIPING METHODS SHALL BE AS DESCRIBED IN ONE OF THE TWO METHODS DESCRIBED IN ONE OF THE TWO

SOLVENT WELD PVC PIPE FOR SMALL DIAMETER FORCE MAINS (LESS THAN 2 NOCH DIAMETER)
THE RIGID PVC COMPOUND USED IN THE MANUFACTURE OF SCHAID PIPE MUST BE TYPE I. GRADE I WITH A CELL
CLASSIFICATION OF 124549 AS DEFINED IN ASTM DITAM. THE PPE SHALL BE MANUFACTURED IN STRICT ACCORDANCE
WITH ASTM DITASS MARKINGS ON THE PIPE SHALL AT A MANUMUM, INCLUDE THE MANUFACTURER'S NAME OR TRADE.
MARK PIPE MATERIAN MONINAL PIPE SUE, MATERIAL DESCINATION CODE, PIPE, SCHEDULE AND PRESSURE RATING.
AT A CONTAIN SOLVENT WELD BELL ON ONE END AND BEVELED SPIGOT ON THE OTHER PIPE SHALL BE ARRENDED. THE SHALL BE ARRENDED AND SEVELED SPIGOT ON THE OTHER PIPE SHALL BE AND WITH A SHALL BE CREED FOR SHALL BE ARRENDED. THE SHALL BE ARRENDED AND SEVELED SPIGOT ON THE OTHER PIPE SHALL BE NEW CONDITION
AND NO CLOER THAN 1 YEAR FROM DATE OF MANUFACTURE. ALL PIPE DELIC MERRES SHALL INCLIDE A DOLUMENT THAT
DEFINES ALL MARKINGS ON THE PIPE AND THE COUNTRY IN WHICH THE PIPE WAS MANUFACTURED. A DATED
CETTER TATION OF COME LANCE WITH THESE SPECIFICATIONS OF ONCOME ON NOTIONAL SONATURE FROM
CETTER CATION OF COME LANCE WITH THESE SPECIFICATIONS CONTAINED AN ON ORDINAL SONATURE FROM
ENTIRE OF THE ATTEMPORATION OF THE MATERIAL TO THE LOS SITE.

BNOWLERS UPON DELIVERY OF THE MATERIAL TO THE LOS SITE.

- A, JONTS OF SMALL DIAMETER PVC PIPE MAY BE SOLVENT WELD TYPE AND SHALL BE MADE IN A TWO-STOP PROCESS WITH PRIMER MANUFACTURED FOR THERMOPLASTIC PIPING SYSTEMS AND SOLVENT CEMENT CONFORMING TO ASTM SPECIFICATION 2058, LATEST EDITION BELLED END PPE SOCKET DMENSIONS FOR SOLVENT WELD SYSTEM SHALL CONFORM TO ASTM D2672, LATEST EDITION,
- B. FITTINGS TO BE INSTALLED IN CONJUNCTION WITH FORCE MAINS SHALL BE OF THE SAME MATERIAL AND HAVE JOINTS AS DESCRIBED ABOVE, THE FITTINGS SHALL BE DESIGNED TO WITHSTAND THE SAME PRESSURES REQUIRED FOR THE PROPERTY.

JOINTS
THE JOINTS FOR PIPE 2 INCH IN DIAMETER AND LARGER SHALL BE PUSHLON (BELL AND SPIGOT) JOINTS DESIGNED SO
THAT THE PIPE AND FITTINGS MAY BE CONNECTED ON THE JOB WITHOUT THE USE OF SQLVENT CEMENT OR ANY
SPECIAL EQUIPMENT. THE PUSHLON JOINT SHALL BE A SINGE RUBBER GASKET JOINT DESIGNED TO BE ASSEMBLED
BY THE POSITIONING OF A CONTINUOUS MOLDED, RUBBER RING GASKET IN AN ANNULAR RECESS IN THE PIPE OR
FITTING SOCKET AND THE FORCING OF THE PLAN END OF THE ENTERING PIPE INTO THE SOCKET THEREOFY
COMPRESSING THE GASKET RADICALLY TO THE PIPE TO FORM A POSITIVE SEAL. THE GASKET AND THE ANNULAR
RECESS SHALL BE SO DESIDED AND SHAPED THAT THE GASKET IS OF CARANST DEPLACEMENT AS
THE JOINT IS ASSEMBLED, DETAILS OF THE JOINT DESIGN AND ASSEMBLY SHALLES OF PROVIDE FOR HELT HERNAL
EXPANSION FOR CONTRACTION EXPERIENCED WITH THE TOTAL TEMPERATURE CHANGE OF AT LEAST 75° F IN EACH
JOINT PER LENGTH OF PIPE. JOINTS SHALL COMPLY WITH A STM03139.

JOINTS FOR FIITINGS SHALL BE OF THE PUSH-ON TYPE AS DESCRIBED ABOVE UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. SOLVENT WELDED TYPE JOINTS SHALL BE ALLOWED ON CERTAN TYPES OF VALVES, FITTINGS AND PPNO CONNECTIONS 2.MCH AND SMALLER NO IMMETER, GENERALLY SOLVENT WELD JOINTS SHALL BE LIMITED TO CERTAIN ASSEMBLIES THAT CAN BE PRE-ASSEMBLED IN THE SHOP AND THEN INSTALLED TOGETHER ASA AURIN BY HE FELD.

EXAMPLES INCLUDE THE BALL VALVE AND BLOW OFF ASSEMBLES. THE BALL AND CHECK VALVE ASSEMBLY THAT FORM A UNIT IN A HOUSE SERVICE JUNCTION BOX, ETC. SOLVENT CEMENT JOINTS SHALL BE FORMED BY DEEP-SOCKET COUPLINGS INTEGRALLY CAST ON THE ENDS OF THE FITTINGS OR VALVES. SOLVENT CEMENT SHALL CONFORM TO ASTIM D-2584.

### LUBRICANT

GASKEYS SHALL MEET ALL APPLICABLE REQUIREMENTS OF ANSI STANDARD A21.11 AND/OR ASTM F477-76 GASKET DIMENSIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD DESIGN DIMENSIONS AND TOLE-ANCES. THE GASKET SHALL BE OF SUCH SIZE AND SHAPE AS TO PROVIDE AN ADEQUATE COMPRESSIVE FORCE ACQUISITY THE SPIGOT AND AFTER ASSEMBLY TO EFFECT A POSITIVE SEAL UNDER ALL CONDITIONS OF JOINT AND GASKET TOLERANCES.

THE TRADE NAME OR TRADEMARK, SIZE, MOLD NUMBER, CASKET MANUFACTURER'S MARK AND YEAR OF MANUFACTURE SHALL BE MOLDED IN THE RUBBER ON THE BACK OF GASKETS.

GASKETS SHALL BE VULCANIZED NATURAL OR VULCANIZED SYNTHETIC RUBBER. NO RECLAIMED RUBBER SHALL BE USED, WHEN TWO HARDNESSES OF RUBBER ARE INCLUDED IN A GASKET. THE SOFT AND HARD PORTIONS SHALL BE INTEGRALLY MOLDED AND JONED IN A STRONG VULCANIZED BOND, THEY SHALL BE FREE OF POROUS AREAS, FOREIGN MATERIAL AND VISIBLE DEFECTS.

### PUSH ON PVC PIPE FOR SMALL-DIAMETER FORCE MAINS (2 INCH, 3 INCH, OR 4 INCH DIAMETER

PVC PPE SHALL BE PRESSURE CLASS 200, SOR 21 PPE WANUFACTURED FROM YPGON PVC COMPOUND WITH A CELL CLASS FCATION OF 1294-B AS SPECPIED IN ASTM SPECPICATION 0748, LATEST EDITION, PHYSICAL OMENSIONS OF TO TELEPACE STATE DESCRIPTION D221, LATEST EDITION STANDARD LENGTHS SHALL BE 25 FEET EXCEPT THAT 15 PRESENT OF TOTAL FOOTAGE FOR PART DULGAP PROJECT MAY BE RANDOM LENGTHS OF NOT LESS THAN 10 FEET FACH, COLORING OF PPE SHALL BE PRART DULGAP PROJECT.

- A GASKETS & JOINTS: PPE JOINTS SHALL BE INTEGRAL BELL AND SPKUOT TYPE WITH RUBBER RING SEALING CASKETS, LUBRIZAMY FOR MAKING JOINTS SHALL BE NON, TOUR: AND SHALL BE AS RECOMMENDED BY THE PPE MANUFACTURER, BELLS SHALL BE MANUFACTURER OF THE REAL BY THE REPORT OF THE RE
- B. FITTINGS: DUCTILE IRON FITTINGS CONFORMING TO THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL BE USED WITH PVC PPE, RESTRANGED JOINT MECHANICAL FITTINGS SHALL BE USED (MEGALUG OR APPROVED EQUAL) AND SHALL BE PROVIDED WITH A TRANSITION GASKET SPECIFICALLY DESIGNED TO ACCOMMODATE THE OUTS DE DAMETER OF THE PPE FITTINGS FOR PPE 3 INCH DIAMETER AND LARGER SHALL BE DUCTILE, MECHANICAL JOINT WITH TRANSITION GASKETS SUITABLE FOR USE WITH SDR 21 PVC PIPE.

CONCRETE KICKERS. ANCHORS AND/OR ENCASEMENT OF FORCE MANS SHALL BE FLACED WHERE AND AS SHOWN ON THE FLANS OR AS DIRECTED BY THE ENGINEER PROVIDE THRUST RESTRAINT AS REQUIRED AT ALL BEADS GREATER THAN 122.5) DEGREES AND ALL TEES, WYES, STOPS, VALVES OR CHANGES BY PIES ESC. OR PER APPROVED PLANS CONCRETE THRUST BLOCKING AND RESTRAINED JOINTS ARE ACCEPTABLE FORMS OF THRUST RESTRAINT.

CONCRETE FOR ANCHORS, CRADLE OR ENCASEMENT SHALL BE AS DESCRIBED IN THE SPECIFICATION SECTION CONCRETE IN MINOR STRUCTURES, AND SHALL BE MIXED SUFFICIENTLY WET TO PRIMIT IT TO FLOW UNDER THE PPET TO FORM A CONTINUOUS BED. IN TAMPING CONCRETE, CARE SHALL BE TAXEN NOT TO DISTURB THE GROWN OF LINE OF THE PPET OR LUTTER THE SHORT THRUST SHOULD SHALL BE TAXEN NOT TO DISTURB THE GROWN OF LINE OF THE PPET OR LUTTER THE SHORT THRUST SHOULD SHALL BE TAXEN TO PET THE PPET WILL FRST BE WARPED WITH 4 ML VEXOLER TO PREVENT ADHERENCE: OF THE CONCRETE TO THE PPET, AVOID POURNG CONCRETE DETECTLY OF TOP OF THE PITTING.

ALL PIPING SHALL BE TESTED TO (150) PERCENT OF THE MAXIMUM OPERATING PRESSURE AS DETAILED IN THE PIPE TESTING SECTION - FOR A PERIOD OF TIME NOT LESS THAN (2) HOURS AND SHALL BE WITNESSED BY THE ENGINEER

BOXES AND VAULTS FOR AIR RELEASE FACILITIES CLEANOUTS AND OTHER APPURTENANCES SHALL BE SIZED TO PERMIT EASY REMOVAL OF THE FACILITIES AND PERMIT OPERATIONS OF THE VALVES "SEWER" SHALL BE CLEARLY MARKED ON THE BOX OR VAULT COVER."

## AIR/VACUUM RELEASE VALVES

VALVES SHALL HAVE INLETS AND OUTLETS SIZED APPROPRIATELY ACCORDING TO THE LINE SIZE

VALVES SHALL HAVE BODY. SEAL PLUG ASSEMBLY, AND BASE OF REINFORCED NYLON, THE O-RING ASSEMBLY INSIDE THE VALVE SHALL BE OF VITON.

AIRWACUUM RELEASE VALVES SHALL BE COMBINATION AIR VALVE MODEL D-025 BY A  $\it R$  .I. FLOW CONTROL ACCESSORIES LTD. OR APPROVED EQUAL.

### LOW PRESSURE FORCE MAINS CONTINUED

# BALL VALVES (2 INCH AND SMALLER)

SHUTOFF VALVES ON THE PUMPED SEWER LINES FOR SIZES TWO INCH OR SMALLER SHALL BE FULL PORTED. TRUE UNION PVC BALL VALVES. THERMOPLASTIC BALL VALVES SHALL BE USED AS INDICATED ON THE FLANK. VALVES SHALL BE FURINSHED WITH TEFLOW SEATS AND TRUE WINDS THEREODE DENS IN THERMOPLASTIC BALL VALVES SHALL BE AS MANUFACTURED BY HEYWARD. INCORPORATED OR APPROVED COURL VALVES 3. INCH OR LARGER SHALL BE RESILENT SEAT GATE VALVES AS DESCRIBED IN THIS SECTION OF THE SPECEFFORTIONS.

### GATE VALVES (3 INCH AND LARGER)

GATE VALVES (3 NCH AND LARGER)

RESELENT SEAT GAVE VALVES SHALL BE AS MANUFACTURED BY AMERICAN DARLING. SUITABLE FOR UTLICATION WITH DOMESTIC SERVINGE AND WORKING PRESSURES OF 200 PSI. THE VALVE SHALL CONSIST OF A CAST KON BODY FEROY COATED. A MODERN WHEN THE SEAT THIS MONNESING STEM REPORCE STEM HUT CAST. IN TEGRALLY WITH VALVE DBC. AND O-RING SEALS MOUNTED ASDOVE AND SEAL WHET THRUST COLLAR. THE RESLENT SEAT GATE VALVE SHALL PROVIDE BUBBLE TIGHT SHUTOPF AND A FULL PORT FLOWWAY. THE VALVE WHEREOR SHALL BE PLANTED FOR THE DEVELOP BY A TWO PROVIDED BUBBLE TO SHALL BE SHALL BE FLOW THE STATE OF THE WAY. THE VALVE WHEREOR SHALL BE PLANTED BY A TWO PROVIDED BY A TWO PROVIDE

ALL VALVES SHALL BE PROVIDED WITH A TWO-INCH SQUARE OPERATING NUT AND SHALL OPEN BY TURNING TO THE LEFT (COUNTERCLOCKWISE).

VALVE BOXES SHALL BE CAST IRON, THREE PIECE. SCREW TYPE WITH DROP COVER MARKED "SEWER". THEY SHALL BE SET VERTICALLY AND PROPERTY ADJUSTED SO THAT THE COVER SHALL BE IN THE SAME PLANE AS THE FINISHED SURFACE OF THE GROUND OR STREET,

### PIPE TESTING REQUIREMENTS

HYDROSTATIC LEAKAGE TEST; (WARNING: THE TESTING METHODS DESCRIBED IN THIS SECTION ARE SPECIFIC FOR WATER PRESSURE TESTING. THESE PROCEDURES SHOULD NOT BE APPLIED FOR AIR-PRESSURE TESTING BECAUSE OF THE SERVING SAFETY HAZARDS INVOLVED.)

- A\_ALL BACKUP BLOCKS AND ANCHORS SHALL HAVE BEEN IN PLACE AT LEAST 48 HOURS PRIOR TO TESTING
- B. THE TEST PRESSURE SHALL BE MAINTAINED FOR 2 HOURS OR LONGER AS IS NECESSARY FOR TIME TO INSPECT THE PPE LINE FOR VISIBLE LEAKS AND AS IS REQUIRED TO OBTAIN A REASONABLE TIME FOR LEAKAGE MEASUREMENT.

- A. TEST PRESSURE SHALL NOT BE LESS THAN 1.5 TIMES THE WORKING PRESSURE AT THE HIGHEST POINT ALONG THE TEST SECTION. IF PUMP IS PART OF SYSTEM THEN PUMP SHUT OFF HEAD SHOULD BE CONSIDERED.
- B. TEST PRESSURE SHALL NOT EXCEED PIPE OR THRUST.RESTRAINT DESIGN PRESSURES.
  C. THE HYDROSTATIC TEST SHALL BE OF AT LEAST 2.HOUR DURATION.
  D. THE TEST PRESSURE SHALL NOT VARY BY MORE THAN 5 PSI (34 5 KPA) FOR THE DURATION OF TEST.

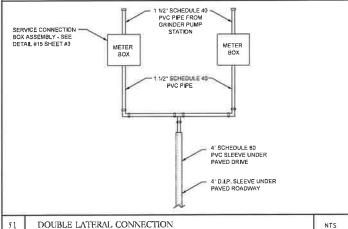
### 3. PRESSURIZATION

A PRIOR TO HYDROSTATIC TEST, CONTRACTOR SHALL FLUSH NEW MAINS AND SERVICE LINES OF DEBRIS WITH CLEAN WATER

# AR REMOVAL

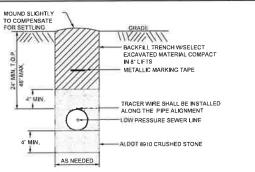
### EXAMINATION:

### 6. LEAKAGE DEFINED:



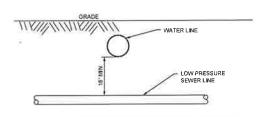
DOUBLE LATERAL CONNECTION

TYP. LOW PRESSURE FORCE MAIN TRENCH DETAIL

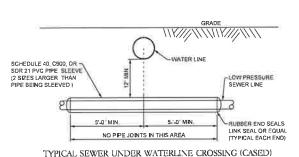


NO PIPE JOINTS IN THIS AREA 5--0" MIN 5-0 MIN. RUBBER END SEALS LINK SEAL OR EQUAL SCHEDULE 40, C900, OR (TYPICAL EACH END) SDR 21 PVC PIPE SLEEVE (2 SIZES LARGER THAN PIPE BEING SLEEVED ) TYPICAL SEWER OVER WATERLINE CROSSING

NOTE CASING PIPE UNDER ROADS SHALL BE SCHEDULE 10, COATED STEEL PIPE



TYPICAL SEWER UNDER WATERLINE CROSSING (UNCASED)



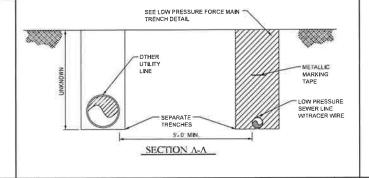
NOTE : CASING PIPE UNDER ROADS SHALL BE SCHEDULE 10, COATED STEEL PIPE

TYPICAL SEWER WATERLINE CROSSING

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NTS

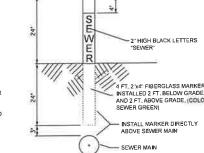
METALLIC  $\triangleleft$ 0 PLAN



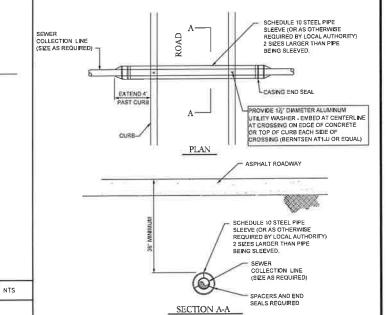
20 TYPICAL UTILITY LINE SEPERATOR DETAIL

AT ALL INTERSECTIONS IN MAIN AND/OR AS OWNER SPECIFIES.

- MARKERS SHALL BE CARSONITE CUM-375 CONTINUOUS GLASS FIBER AND RESIN REINFORCED MARKER
- PAVING, IF NOTED BY ENGINEER



UTILITY MARKER DETAIL



TYPICAL SEWER LINE ROAD CROSSING

NTS

NTS

\*THE DRAWINGS AND DESIGNS REPRESENTED HEREON ARE

THAN THE PROJECT INTENDED IS PROHIBITED WITHOUT

NOTE

THE PROPERTY OF ENGINEERS OF THE SOUTH, LLC REPRODUCTION IN WHOLE OR IN PART AND/OR USE OTHER

WRITTEN PERMISSION OF ENGINEERS OF THE SOUTH, LLC.

FARM RAYLEY WCE

DDC WCF AS NOTED DEC., 2021 GS-20105 SHEET NUMBER 5



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Oak Iam, 205



4 Ø ALABAMA 3 **PHASE** SHORES, GULF

### SANITARY SEWER STANDARD NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF GULF SHORES UTILITIES AND/OR THE STATE HIGHWAY DEPARTMENT. AND APPLICABLE ADPH REGULATIONS
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST ASSOCIATED WITH ANY FINES OR DAMAGES
- 3. PVC PIPE SHALL BE AWWA C900, CAST IRON (CI) STANDARD DIMENSIONS, DIMENSION RATIO (DR) 21, PRESSURE CLASS (PC) 200 PSI OR HDPE DR11 DUCTILE IRON PIPE SIZE AS INDICATED ON THE PLANS
- IN EARTH TRENCH, FOUR INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES OF 12 NICHES IN DIAMETER OR SMALLER AND SIX INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES LARGER THAN 12 INCHES IN DIAMETER. IN ROCK TRENCHES, SIX INCHES OF GRUSHED STONE SHALL BE PLACED UNDER ALL SEWERS. THE DITCH SHALL BE BACKFLLED WITH CRUSHED STONE SHALL BE PLACED UNDER ALL SEWERS. THE DITCH SHALL BE BACKFLLED WITH CRUSHED STONE TO A DEPTH AS NIDICATED ON THE STANDARD DETLAL FOR TRENCH BACKFLL. WHEN CROSSING STING ROADS AND STREETS. THE TOTAL BACKFILL SHALL BE CRUSHED STONE AND PROPERLY CHOKED
- 5- AT THE DIRECTION OF THE ENGINEER, A CONNECTION OF SANITARY SEWER PIPES (8 INCH THROUG IS INCH OF DISSIMILAR SIZES OR FOR REPAIR OF SANITARY SEWER PIPES OF SMILAR MATERIALS MAY BE MADE BY MEANS OF AN APPROVED MECHANICAL SEAL TYPE ADJUSTABLE COUPLING, COUPLINGS ITH ANY REQUIRED ADAPTING BUSHINGS SHALL BE MANUFACTURED OF AN APPROVED PREFORMED ELASTOMERIC MATERIAL SPECIFICALLY FOR DIMENSIONS OF THE PIPE MATERIALS TO BE CONNECTED COUPLINGS OF THE MECHANICAL SEAL TYPE SHALL HAVE NUT AND BOLT TIGHTENING CLAMPS OR DEVICES MADE OF 316 STAINLESS STEEL, WITH AN ADJUSTABLE STAINLESS STEEL SHEAR RING, AND STAINLESS STEEL HARDWARE, A CONCRETE COLLAR IS REQUIRED
- 6. MANHOLES SHALL MEET ASTM SPECEFICATION C.478. JOINTS BETWEEN THE MANHOLE SECTIONS SHALL BE OFFSET TONGUE AND GROOVE "PUSH ON" TYPE. SUPPLED WITH TYLOX SUPER SEAL PRE-LUBRICATED GASKET AS MANUFACTURED BY HAMILTON KENT MEETING THE REQUIREMENTS OF ASTM C443. EACH JOINT SHALL ALSO BE SUPPLED WITH CONSEAL CS.231 WATERSTOP SEALANT AS MANUFACTURED BY YCONGRETE SEALANTS. IN WIDTHS AS RECOMMENDED BY THE MANUFACTURER MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 48 NICHES AND A MINIMUM THICKNESS OF 5 NICHES, ALL MANHOLE CONES SHALL BE OF THE CONCENTRE OT YPE, MANHOLES MAY BE FINSHED TO STREET GRADE WITH BRICK AND MORTAR. THIS ADJUSTMENT HEIGHT SHALL NOT EXCEED 16 NICHES.
- 7 CONTRACTOR WILL BE RESPONSIBLE FOR THE CONTINUOUS AND PROPER OPERATION OF ALL EXISTING UTILITIES LOCATED ON OR ADJACENT TO THE PODICT SITE AND WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT.
- 8. ALL EMBANKMENT FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO EXCAVATION OF SEWER.
- 9. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS AND FOR ACQUISITION OF ALL PERMITS DURING CONSTRUCTION TO INSURE THAT DAMAGE DOES NOT OCCUR TO ADJACENT PROPERTIES, PUBLIC ROADS AND/OR DITCHES (CREEKS,
- 10\_UPON COMPLETION OF ALL OR ANY PART OF A SANITARY SEWER LINE, THE CONTRACTOR WILL BE ), UPON COMPLETION OF ALL DR ANY PART OF A SAMITIARY SEWER LINE, THE CONTRIGUED RECOVERED TO TEST SAID SEWER FOR ACCEPTABILITY, CRAVITY SEWERS WILL BE PRESSURE TESTED WITH WATER, MANHOLES WILL BE PRESSURE TESTED WITH WATER, MANHOLES WILL BE PACE TESTED. ALL TESTS WILL BE CONDUCTED IN THE PRESSENCE OF THE FRONEER IN ACCORDANCE WITHES PECIFICATIONS, GRAVITY SANITARY SEWERS MAY BE TELEVISION INSPECTED FOLLOWING AIR TESTING WITH THE FINAL VIDEO TAPE AND LOG FURNISHED TO THE ENGINEER FOR RECORD INFORMATION
- 11 , ROCK SHALL BE UNDERCUT A MINIMUM OF 4" AND PIPE BEDDED IN STONE, NO SEPARATE PAY ITEM EXISTS FOR ROCK EXCAVATION, ALL EXCAVATION SHALL BE CONSIDERED TO BE UN.GLASSIFIED EXCAVATION AND SUBSIDIARY TO OTHER BUT IEMS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BACKUPS OR OVERFLOWS RESULTING FROM HIS WORK AND ALL SUBSPOUENT DAMAGES FINES PENALTIES OR OTHER COSTS INCURRED.

SUBMITTALS

BE SUPPLEMENTED TO PROVIDE ADDITIONAL INFORMATION APPLICABLE TO THE PROJECT.

A, PROJECT DATA SHALL INCLUDE MANUFACTURERS' STANDARD SCHEMATIC DRAWINGS MODIFIED TO DELETE INFORMATION WHICH IS NOT APPLICABLE TO THE PROJECT, AND SHALL

TINENT INFORMATION AS IT APPLIES TO THE PROJECT.

IF APPLICABLE

EACH COPY OF DESCRIPTIVE LITERATURE SHALL BE CLEARLY MARKED TO IDENTIFY

B. WHERE SAMPLES ARE REQUIRED, THEY SHALL BE ADEQUATE TO ILLUSTRATE MATERIALS.

WORK IS JUDGED, PROVIDE SUFFICIENT SIZE AND QUANTITY TO CLEARLY ILLUSTRATE FUNCTIONAL CHARACTERISTICS OF PRODUCT AND MATERIAL, WITH INTEGRALLY RELATED

SUBCONTRACTOR, OR SUPPLIER: PERTINENT PLANS; AND SPECIFICATION SECTION

D. PRIOR TO SUBMITTAL TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND CHECK SUBMITTALS, AND SHALL INDICATE REVIEW BY HIS STAMP, INITIALS, AND DATE.

F. THE CONTRACTOR SHALL SUBMIT FIVE (5) COPIES OF SUBMITTAL DOCUMENTS UNLESS

F. IF THE SUBMITTALS INDICATE DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS. THE

CONTRACTOR SHALL ADVISE THE ENGINEER. IN THE LETTER OF TRANSMITTAL OF THE DEVIATION AND THE REASONS THEREFOR. ALL DEVIATIONS AND VARIANCES SHALL BE CLEARLY MARKED ON THE SUBMITTAL WITH A BOLD RED MARK. ALL ADDITIONAL COSTS RESULTING FROM MODIFICATIONS REQUESTED BY THE CONTRACTOR SHALL BE BORNE BY

OTHERWISE SPECIFIED IN THE FOLLOWING PARAGRAPHS OR IN THE SPECIAL CONDITIONS.

AND DATE CERTIFYING THAT THE ITEMS HAVE BEEN REVIEWED IN DETAIL AND ARE CORRECT AND IN ACCORDANCE WITH CONTRACT DOCUMENTS. EXCEPT AS NOTED BY ANY REQUESTED

G. CONTRACTOR'S STAMP; THE CONTRACTOR SHALL APPLY CONTRACTOR'S STAMP, INITIALS,

C. ALL SUBMITTALS SHALL BE MARKED TO IDENTIFY THE PROJECT, CONTRACTOR

EQUIPMENT OR WORKMANSHIP, AND TO ESTABLISH STANDARDS BY WHICH COMPLETED

# PROJECT SPECIFIC NOTES

- 1. ALL ADEM, COUNTY CITY AND/OR STATE PERMITS SHALL BE IN HAND AND ON SITE DURING THE
- ALL PERMITS, OTHER THAN THOSE LISTED IN THE SPECIFICATIONS, FOR THE DEVELOPMENT OF THESE PLANS ARE THE CONTRACTORS RESPONSIBLITY AND SHOULD BE OBTAINED PRIOR TO DISTURBING ANY AREAS OR BEGINNING ANY CONSTRUCTION.
- 3. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONCURRENT WORK BEING
- 4. A SIGNED AND SEALED COPY OF THE PLANS SHALL BE MAINTAINED ON SITE AND MADE READILY AVAILABLE FOR THE DURATION OF THE CONSTRUCTION
- 5. THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER ONE (1) SET OF BLUELINE PRINTS OF THE CONTRACT PLANS. THESE PLANS SHALL BE KEPT AND MAINTAINED IN GOOD CONDITION AT THE PROJECT SITE AND A QUALIFIED REPRESENTATIVE OF THE CONTRACTOR SHALL ENTER UPON THESE PRINTS, FROM DAY-TO-DAY, THE ACTUAL 'AS-BULL'N RECORD OF THE CONSTRUCTION PROGRESS, ENTRES AND NOTATIONS SHALL BE MADE IN A NEAT AND LEGIBLE MANNER AND THESE PRINTS SHA BE DELIVERED TO THE ENGINEER UPON COMPLETION OF THE CONSTRUCTION, APPROVAL FOR FINA PAYMENT WILL BE CONTINGENT UPON COMPLIANCE WITH THIS PROVISION
- 6. AFTER CONSTRUCTION BEGINS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING AND/OR NOTIFY IN THE ENGINEER AT LEAST FOURTY-EIGHT (48) HOURS IN ADVANCE OF THE FOLLOWING: A, DALY WORK SCHEDULE INCLUDING ANY CHANGES IN SCHEDULE;
  B IF WORK IS TO BE PERFORMED ON WEEKENDS AND/OR HOLIDAYS
  C, DATES TRENCHES WILL BE OPEN AND SEWERS WILL BE INSTALLED.
  D, DATES STRUCTURES WILL BE INSTALLED.
  E, DATE ALL APPLICABLE TESTS ARE TO BE PERFORMED,
  F, DATE 'AS BUILT 'VERHIFICATION IS TO BE PERFORMED.

- ANY OTHER INFORMATION DEFINED NECESSARY TO ASSURE TO SANITARY SEWER FACILITIES ARE
- PROPERLY CONSTRUCTED
- 7. ALL TESTING REQUIRED SHALL BE PERFORMED UNDER THE OBSERVATION OF THE ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE THE TESTING WITH THE APPROPRIATE PART TEST RESULTS OBTAINED IN THE ABSENCE OF THE ENGINEER SHALL NOT BE ACCEPTED, PROVIDE A MINIMUM OF 48 HOURS NOTICE BEFORE COMMENCEMENT OF WORK AND TESTING
- 8, ANY PORTION OF THE SANITARY SEWER FACILITY NOT INSPECTED AS PRESCRIBED BY THIS SECTION MAY REQUIRE EXCAVATION TO THE EXTENT REQUIRED BY THE ENGINEER,
- 9, ANY PORTION OF THE SANITARY SEWER FACILITY NOT PASSING THE TESTS SHALL BE REPAIRED OR REPLACED TO THE EXTENT REQUIRED BY THE ENGINEER AND RETESTED.
- 10. LOW PRESSURE FORCE MAINS (\*LPS\*) SHALL BE VERIFIED AND DIMENSIONED FROM EDGE OF PAVEMENT (OR BACK OF CURB, IF APPLICABLE) OR LOT I LINES AS APPROPRIATE. LPS DEPTH AND LOCATION INCLUDING DIMENSIONAL AND ELEVATION INFORMATION NDICATED ON THE APPROVED PLAN SHALL BE VERIFIED AND RECORDED. THIS INFORMATION TO CLEARLY INDICATE IT AS 'ASBUILT' INFORMATION BURIED ELECTRICAL SERVICE IN ELOCATED WITHIN THE LPS EASEMENT SHALL BE CLEARLY
- 11 FOR PERPINDICULAR CROSSINGS OF LPS AND STORM WATER, POTABLE WATER, OR GAS, THE "AS-BUILT" PLANS SHALL CLEARLY INDICATE WHICH UTILITIES ARE LOCATED OVER OR UNDER THE LPS. A
- 12 WHEN LPS IMPROVEMENTS ARE LOCATED WITHIN AN EASEMENT, THE "ASJBUILT" SHALL ACCURATELY DEPICT THE LOCATION OF THE EASEMENT ITSELF AS WELL AS THE EXACT LOCATION OF THE IMPROVEMENTS WITHIN THE EASEMENT. THIS IS REQUIRED IN ORDER TO ENSURE THAT FUTUR SUBSURFACE EXCAVATION TO PERFORM REMEDIAL REPAIR CAN BE ACCOMPLISHED WITHOUT DISTURBANCE BEYOND THE EASEMENT, SUCH DOCUMENTATION AND THE ASSOCIATED PROPOSED EASEMENT DOCUMENT WITH LEGAL DESCRIPTION SHALL BE SUBMITTED FOR THE LPS OWNER'S REVIEW
- 13. CAD FILE OF "AS-BUILTS" SHALL BE IN STATE PLANE COORDINATES AND SHALL BE PROVIDED IN A FORMAT
- 14, ALL "AS.BUILT" PLANS SHALL BE PREPARED BY AN ALABAMA REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER USING THE FINAL APPROVED SITE DESIGN PREPARED BY THE ENGINEER OF RECORD. LINE WEIGHTS, TYPES AND ANNOTATION SHALL BE MANAGED IN A MANNER THAT CLEARLY DISTINGUISHES DESIGN INFORMATION FROM "AS.BUILT" INFORMATION,

GENERAL SITE WORK NOTES

A, DIG TRENCHES TO UNIFORM WIDTH REQUIRED FOR ITEM TO BE INSTALLED, INCLUDING WORK

ESTABLISH REQUIRED LINE AND GRADE.
C. WHERE ROCK IS BOCOUNTERED. CARRY EXCAVATION MINIMUM 5 INCHES BELOW REQUIRED. ELEVATION. BACKFILL WITH A 5 INCH LAYER OF CRUSHED STONE OR GRAVEL BEFORE INST.

DAMAGE OR DISPLACEMENT OF PIPE.

G, BACKFILL TRENCHES IN 6 MOFL LETS AND COMPACT WITH MECHANICAL PISTON TAMPERS TO COMPACTFON REQUIREMENTS. INCLUDE PROVISION FOR MOISTURE CONDITIONING AND COMPACTION OF TRENCH FILL IF NEEDED.

THE WORK BEGAN, FURNISHING ALL LABOR AND MATERIAL INCIDENT THERETO.

B. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED CARRY DEPTH OF TRENCH FOR PIPING TO

PPE.

NOTCH UNDER PPE BELLS TO PROVIDE SOLID BEARING FOR ENTIRE BODY OF PPE.

BACKFILL TRENCH WITH CONCRETE WHEN WITHIN 18" OF FOOTINGS AND WHERE PASSING UNDER FOOTINGS, PLACE CONCRETE LEVEL WITH THE BOTTION OF THE ADJACENT FOOTING.

DO NOT BACKFILL TRENCHES UNTIL TESTS AND INSPECTIONS HAVE BEEN MADE. USE CARE TO AVOID DAMAGE OR DEPLACEMENT OF PIPE.

THE CONTRACTOR SHALL REPLACE ALL SURFACE MATERIAL AND SHALL RESTORE PAVING, CURBING

SIDEWALKS, GUTTERS, AND OTHER SURFACES DISTURBED TO A CONDITION EQUAL TO THAT BEFORE

FILL CONTAINING RED CLAY IS ONLY ALLOWED BENEATH ROADWAYS OR CONTAINED WITHIN BUILDING

1. EXCAVATION FOR TRENCHES

### CONCRETE IN MINOR STRUCTURES

- CLASS "B" CONCRETE SHALL BE REINFORCED OR NON-REINFORCED CONCRETE HAVING A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3,500 POUNDS PER SQUARE INCH, CLASS B CONCRETE SHALL BE USED FOR TRENCH BOTTOM STABILIZATION, PIPE PROTECTION ENCASEMENT, PIPE COLLARS, ANCHORS, MASSIVE SECTIONS, AND SIMILAR WORK
- 2. CONCRETE SHALL BE MANUFACTURED AND DELIVERED TO THE PROJECT SITE BY A READY-MIX IANUFACTURER EXPERIENCED IN READY-MIX CONCRETE
- 3. READY-MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C-94, AND AS SPECIFIED
- 4 MIX CONCRETE ONLY IN QUANTITIES FOR IMMEDIATE USE:
- 5. CONCRETE MIX DESIGN FOR PARTICULAR APPLICATIONS SHALL BE SUBMITTED TO THE
- 6. REINFORCING MATERIAL FOR CAST IN PLACE CONCRETE:
- A, REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, A-616, OR A- 617, REINFORCING BARS SHALL BE GRADE 60 DEFORMED BARS, OR AS SPECIFIED ON
- B. WELDED WIRE FABRIC OR COLD-DRAWN WIRE FOR CONCRETE REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185 OR ASTM A-82, RESPECTIVELY.
- C. THE CONTRACTOR SHALL MAINTAIN REINFORCING IN PROPER POSITION DURING CONCRETE PLACEMENT

### 7. CONCRETE PLACEMENT:

- ONCRETE PLACEMENT:
  A, PRIOR TO PLACING ORDER FOR CONCRETE, THE CONTRACTOR SHALL INSPECT AND
  COMPLETE FORM WORK INSTALLATION, REINFORCING STEEL, AND ITEMS TO BE EMBEDDED
  OR CAST IN. THE CONTRACTOR SHALL NOTIFY OTHER CRAFTS TO PERMIT INSTALLATION OF THEIR WORK: AND COOPERATE WITH OTHER TRADES IN SETTING SUCH WORK. IN ADDITION TO OTHER EQUIPMENT REQUIRED FOR PLACEMENT, THE CONTRACTOR SHALL PROVIDE
- STANDBY VIBRATORS (MINIMUM OF TWO (2) UNITS) DURING ALL CONCRETE PLACEMENT.

  I. THE CONTRACTOR SHALL COMPLY WITH ACI 304, "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE", AND AS HEREIN SPECIFIED.
- C. FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM WASHY RAIN, FLOWING WATER, OR OTHER INJURIOUS CONDITIONS AND SHALL NOT BE ALLOWED TO BECOME DRY FROM
- OR OTHER INJURIOUS COMDITIONS, AND SHALL HOT DE ALLOWED TO SECONDED FOR THOM THE TIME IT IS PLACED UNTIL THE EXPIRATION OF THE 7-DAY CURING PERIOD, D. THE CONTRACTOR SHALL CONSOLIDATE PLACED CONCRETE BY HAND HELD MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING RODDING, OR TAMPING. THE CONTRACTOR SHALL USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH ACI 309. THE CONTRACTOR SHALL CONSOLIDATE CONCRETE DURING PLACING OPERATIONS SO
- THAT CONCRETE IS THOROUGHLY WORKED AROUND REINFORCEMENT AND OTHER EMBEDDED ITEMS AND INTO CORNERS, F. THE CONTRACTOR SHALL PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR
- REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES IN ACCORDANCE WITH PROVISIONS OF ACI 306.
- G, THE CONTRACTOR SHALL MAINTAIN THE CONCRETE AT A TEMPERATURE OF NOT LESS THAN 50° F AND NOT MORE THAN 90^176 F FOR A PERIOD NOT LESS THAN 72 HOURS, B, CONCRETE MATERIALS:
- ONCRETE MATERIALS:
  A, PORTLAND CEMENT SHALL CONFORM TO THE FOLLOWING: ALL WATER BEARING STRUCTURES SHALL CONFORM TO TYPE ILV ASTM C-150, NON-WATER BEARING STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150, TYPE I.

- STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTIM CATSO, TYPE I.

  B. THE CONTRACTOR SHALL USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT
  UNLESS OTHERWISE ACCEPTABLE TO THE ENGINEER.

  C, FLY ASH SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-818, TYPE F.

  D. FINE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33. THE CONTENT
  OF MATERIAL PASSING A NUMBER 200 SIEVE SHALL NOT EXCEED 4 PERCENT. THE CONTRACTOR SHALL USE ONLY CLEAN, SHARP, NATURAL SAND,
- E. COARSE AGGREGATES SHALL BE CRUSHED LIMESTONE CONFORMING TO THE REQUIREMENTS OF ASTIM C. 33. CRUSHED LIMESTONE FOR COARSE AGGREGATE SHALL CONSIST OF UNCOATED PARTICLES OF SOUND, DURBLE ROCK OF UNIFORM QUALITY CONTAINING NO MORE THAN 15 PERCENT FLAT OR ELONGATED PARTICLES (LONG DIMENSION MORE THAN FIVE TIMES THE SHORT DIMENSION). CONTENT OF MATERIAL PASSING A NUMBER 200 SIEVE SHALL NOT EXCEED 0.5 PERCENT, NO SURFACE, YELLOW OR SOFT STONE SHALL BE PERMITTED. THE SPECIFIC GRAVITY OF THE STONE SHALL NOT BE
- LESS THAIR 2.50.
  F. WATER SHALL BE CLEAN AND POTABLE.
  G. THE CONTRACTOR SHALL PROVIDE CONCRETE ADMIXTURES WHICH CONTAIN NOT MORE THAN 0.1 PERCENT CHLORIDE IONS

# GENERAL NOTES

- 1 SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR SAFETY, MEANS, OR METHODS OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AGENCIES BEFORE
  WORK COMMENCES TO VERFY THE TYPE LOCATION, PROTECTION REQUIREMENTS, DEPTH OF ALL
  EXISTING UTLIFIES DRAINAGE FACLIFIES, AND OTHER OSSTRUCTIONS, CONTRACTOR SHALL BE
  RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRING AND/OR REPLACING ANY SUCH ITEMS ED DURING CONSTRUCTION
- 3. UTILITIES ON PLANS AND PROFILES ARE SHOWN IN APPROXIMATE LOCATIONS AND MAY BE AT SSUMED ELEVATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, OBSTRUCTIONS AND DRAINAGE STRUCTURES, UNLESS APPROVED IN ADVANCE BY THE ENGINEER AND OWNER, ALL EXISTING LINES SHALL REMAIN ACTIVE THROUGHOUT CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION AND SATISFACTORY REPAIR OR REPLACEMENT OF DAMAGED FACILITIES
- 4. CONTRACTOR SHALL LOCATE AND UNCOVER ALL POTENTIALLY CONFLICTING UTILITIES BEFORE CONSTRUCTION GRADES OR DEPTHS OF CUT ARE FINALIZED AND PIPE IS LAID.
- APPROXIMATE LOCATIONS OF OVERHEAD POWER LINES MAY OR MAY NOT BE SHOWN ON PLANS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL LOCATIONS IN THE FELD AND PLAN WORK IN THESE AREAS ACCORDINGLY.
- 6 CONTRACTOR SHALL BE RESPONSIBLE FOR SITE DRAINAGE STORMWATER PERMITS, AND COMPLIANCE WITH ALL GOVERNMENTAL STORMWATER REGULATIONS.
- 7. ALL ASPHALT AND CONCRETE PAVING REMOVED AND REPLACED SHALL BE NEAT SAW CUT
- 8. ALL EXCAVATION BACKFILL SHALL BE COMPACTED TO MIN 95% STANDARD PROCTOR DENSITY AND AS REQUIRED TO PREVENT SETTLEMENT.
- 9. ALL CONNECTIONS TO EXISTING LINES TO BE COORDINATED WITH GULF SHORES UTILITIES TO

# **EROSION CONTROL NOTES**

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY EROSION CONTROL DEVICES DURING CONSTRUCTIONS AS TO INSURE PERMIT COMPLIANCE, INCLUDING PROTECTING ADJACENT PROPERTY STREAMS, CHANNELS, AND PUBLIC ROADS, THE CONTRACTOR SHALL ASSUME LIABILITY FOR ALL FAILURES OF THE SYSTEM AND BE RESPONSIBLE FOR CLEANUP AND/OR REPAIRS TO THE SYSTEM,
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST ASSOCIATED WITH ANY FINES OR DAMAGES CAUSED BY THE DISCHARGE OF SEDIMENTS OR ANY OTHER VIOLATION UNDER THIS
- 3. THE MEASURES SHOWN ON THE PLANS ARE INTENDED FOR CONTROL DURING SITE CLEARING AND GRADING, ADDITIONAL MEASURES, INCLUDING SLT FENCES, HAY BALES, AND CHECK DAMS, WILL BE REQUIRED AS SITE CONDITIONS CHANGE DURING CONSTRUCTION.
- 4. COORDINATE THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURE WITH THE CLEARING AND GRUBBING OPERATION. THESE ACTIVITIES MUST OCCUR IN THE PROPER SEQUENCE IN RELATION TO ONE ANOTHER TO COMPLY WITH THE PERMIT.
- 5. THE CONTRACTOR WILL INSTALL AND MAINTAIN THE EROSION AND SEDIMENTATION CONTROL MEASURE (BOTH TEMPORARY AND PERMANENT) AS A CONTINUING PROGRAM UNTIL THE SIT MEASURE (BUTH TEMPORARY AND PERMANENT) AS A CONTINUING PROGRAM UNTIL. THE STIE WORK IS COMPLETE AND THE STIE IS TABLEZED ALL CONTROL MEASURES SHALL BE CHECKED. AND REPARED AS NECESSARY, MONTHLY IN DRY PERIODS AND WITHIN TWENTY -FOURZE) HOURS AFTER ANY RAINFALL AT THE STEE OF 75 INCH WITHIN A TWENTY. FOUR (29) HOUR PERIOD, DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE.
- 6. ALL EROSION CONTROL MEASURES COMPROMISED BY SEDIMENT BUILD- UP INCLUDING RIP RAP SILT FENCES, HAY DAMS, CHECKS, OR OTHER DEVICES, WILL BE REPAIRED OR REPLACED AS
- 7. ANY PIPE, CREEK, OR OTHER STORM DRAINAGE FEATURE SHOWING EVIDENCE OF SEDIMENT ACCUMULATION SHALL BE CLEANED OUT. THE SEDIMENT REMOVED SHALL BE DISPOSED OF IN A LOCATION APPROVED BY THE OWNER OR HIS REPRESENTATIVE
- 8. DO NOT DEPOSIT WASTE, LOOSE SOIL OR OTHER MATERIALS IN LIVE STREAMS, SW ALES OR DRAINAGE WAYS, EXCEPT AS APPROPRIATE FOR EROSION CONTROL( E.G. LOG AND BRUSH
- 9. AFTER THE EROSION ACTIVITY HAS STABILIZED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION CONTROL DEVICES AT THE DIRECTION OF THE OWNER AND CLEANING UP AND DRESSING THE AREA TO THE SATISFACTION OF THE OWNER.
- 10, ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED FOR THE CONTAINMENT HAZARDOUS SUBSTANCES AND ANY OTHER MATERIAL WHICH MAY POLLUTE STORM WATER, INCLUDING PETROLEUM PRODUCTS, LUBRICANTS, AND PAINT, ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED FOR THE CONTAINMENT HAZARDOUS SUBSTANCES AND OTHER MATERIALS, WHICH MAY POLLUTE INCLUDING PETROLEUM PRODUCTS, LUBRICANTS, AND PAINTS, SHALL BE STORED IN ACCORDANCE TO WITH SPCC REGULATIONS, THESE SUBSTANCES SHALL BE STORED AWAY FROM ALL STORMS DRAINS, DITCHES, AND GUTTERS IN WATE CONTAINERS, DISPOSAL OF THESE MATERIALS SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS, CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR DISPOSAL OF CONSTRUCTION MATERIALS CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM THE SITE TO ENTER THE STORM DRAINAGE SYSTEM.
- 11. SILT FENCE BARRIER SHALL BE FABRIC 36 INCHED IN WIDTH (MIN.) AND BE ENVIROFENCE 100X AS MANUFACTURED BY MIRAFI, INC. OR APPROVED EQUAL. THE FABRIC SHALL BE SUPPORTED BY WIRE FENCE, HAVING A MINIMUM OF 6 LINE WIRES AND A MAXIMUM OF 12" STAY SPACING. WIRE FENCE SHALL BE SUPPORTED BY STEEL POSTS OR WOOD POST (4" DIA, OR SQ.) WITH #9
  WIRE STAPLES (11/2" L MIN.) THE BOTTOM EDGE OF THE FENCE WILL BE PLACED IN A
  EXCAVATED TRENCH 6" DEEP AND COVERED AS SHOWN IN THE SILT FENCE DETAIL.
- 12. ALL STORM SEWER INLETS IN DISTURBED AREAS OR IN OTHER AREAS SUBJECT TO POTENTIAL LOW OF SEDIMENT SHALL BE PROTECTED AT A MINIMUM WITH HAY BALES AND SILT FENCE,
- 13, ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR MORE THAN 14 DAYS MUST BE SEEDED AND MULCHED.
- 14 ANY DISTURBANCE OF SOIL AND VEGETATION OUTSIDE THE LIMITS OF THE CLEARING LINE WILL NOT BE PERMITTED UNDER ANY CONDITION
- 15, PREVENT RUN-ON AND RUN-OFF FROM SOIL AND SEDIMENT PILES BY SURROUNDING PILE WITH HAY BALES AND/OR SILT FENCE.
- 16. PREVENT AND CONTROL SOIL ÉROSION AND GULLYING WITHIN THE PROPERTY COVERED BY TRACT AND THE ADJACENT PROPERTIES AS A RESULT OF CONSTRUCTION
- 17. THE CONTRACTOR IS RESPONSIBLE FOR PROPER COLLECTION, STORAGE, AND DISPOSAL OF SOLID AND SANITARY WASTES, DISPOSAL OF THESE WASTES SHALL BE OFF-SITE IN AN APPROPRIATELY PERMITTED FACILITY, JOB SAFETY IS NOT THE RESPONSIBILITY OF THE ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY.





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Š ALABAMA 80 PHASE ES. FARM SHORE RAYLEY GULF

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